

Welcome to *California*



SSI Surveillance and Reporting Protocols

Updated July 2011



HAI Liaison Program
Healthcare-Associated Infections Program
Center for Health Care Quality
California Department of Public Health

Section Objectives

- Demonstrate NHSN Monthly Reporting Plan set up
 - For Procedure-associated SSI Module
- Demonstrate data entry for NHSN procedure data
 - Discuss data import options (e.g. CSV file upload)
- Review NHSN key terms and SSI definitions
- Review NHSN data collection forms and data entry requirements



SSI Surveillance and Reporting via NHSN



Centers for Disease Control and Prevention
Your Online Source for Credible Health Information

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National Healthcare Safety Network (NHSN)

www.cdc.gov/nhsn/TOC_PSCManual

NHSN

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[NHSN](#) > [NHSN Manuals](#)

NHSN Patient Safety Component Manual

NHSN Forms Update

Vaccination Module Update

The **HRIIV Module** is being replaced with the **Updated Vaccination Module** back in a few weeks.

Table of Contents

1. [NHSN Overview](#) [PDF - 52KB]
April 2010
2. [Identifying Healthcare-associated Infections \(HAIs\) in NHSN](#) [PDF - 84KB]
March 2009.
3. [Patient Safety Monthly Reporting Plan](#) [PDF - 26KB]
November 2009.

Device-Associated Module

4. [Central Line-Associated Bloodstream Infection \(CLABSI\) Event](#) [PDF - 169KB]

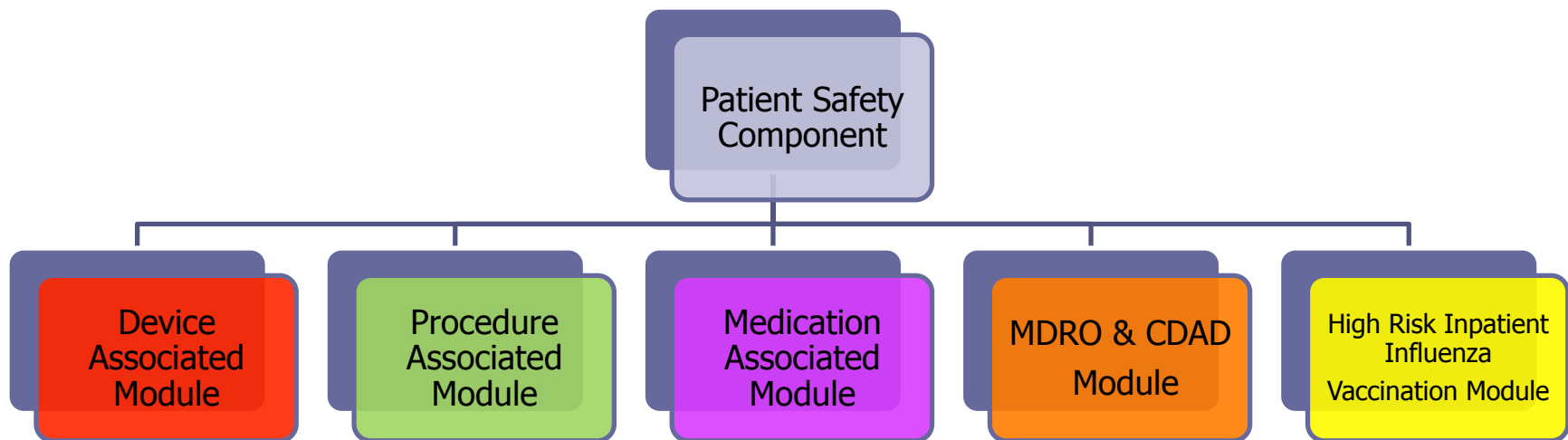
Procedure-Associated Module

9. [Surgical Site Infection \(SSI\) Event](#) [PDF - 258KB]
Guidelines and procedures for monitoring SSI.
October 2010

Must follow NHSN protocols for identifying and reporting SSI and procedure information



National Healthcare Safety Network (NHSN)



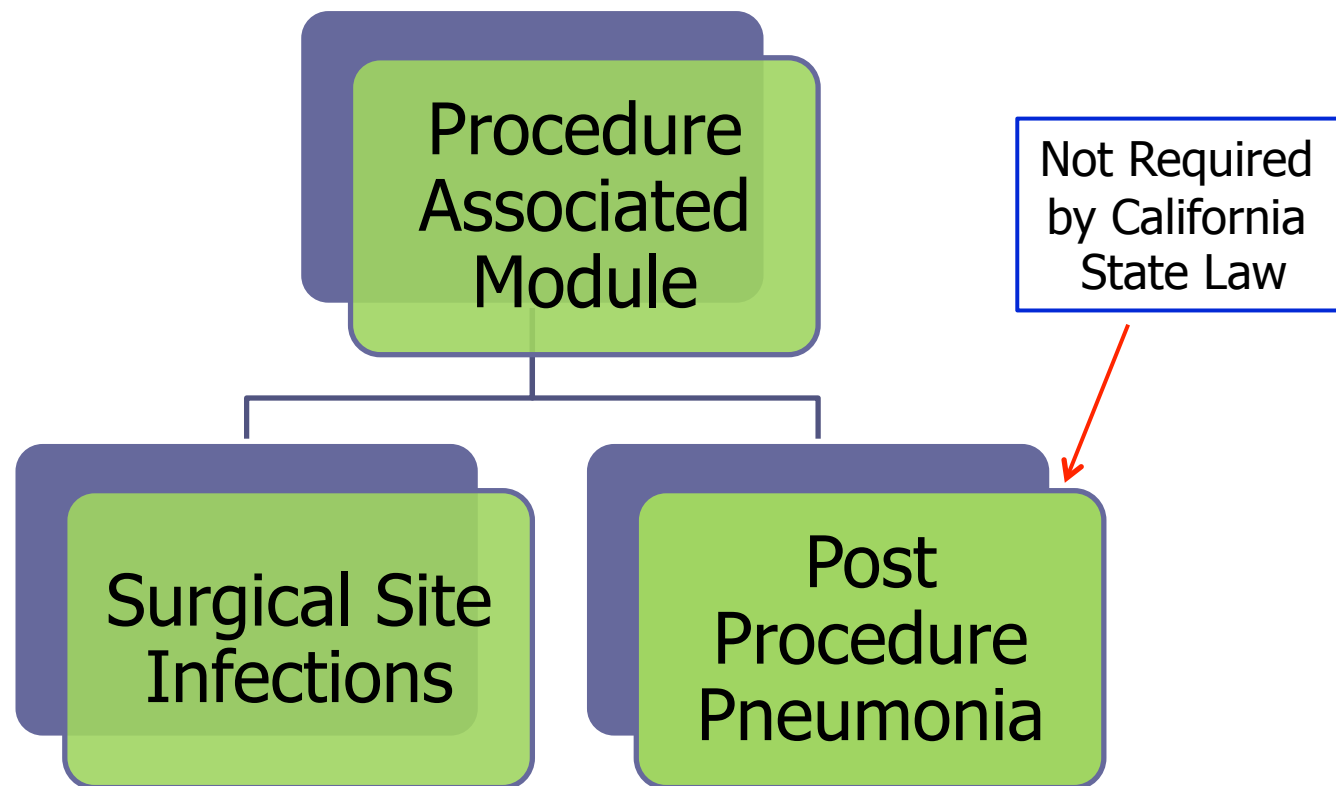
This is where
CLABSI & CLIP
are reported

And this is
where you will
report **SSI**

This is where
***C.difficile* &
MRSA-VRE BSI**
are reported



Procedure –associated Module Components



Monthly Reporting Plan

- Enter the procedures and events into the Monthly Reporting Plan under Procedure-associated Module
- The reporting plan informs NHSN (and CDPH) the surveillance to be performed during a given month and what data to expect



NHSN 6.3.1.2 Monthly Reporting Plan - Windows Internet Explorer

https://sdn7.cdc.gov/nhsn/planaction.do

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Microsoft Outlook Web Ac... NHSN 6.3.1.2 Monthly ...

Facility California General Hospital (ID 15633) is following the PS component.

Edit Monthly Reporting Plan

Print PDF Form

Mandatory fields marked with *

Facility ID*: California General Hospital (ID 15633)

Month*: January

Year*: 2011

☐ No NHSN Patient Safety Modules Followed this Month

Device-Associated Module [HELP](#)

Locations	CLA	BSI	DE	VAP	CAUTI	CLIP
3 SICU - 3 FLOOR SURGICAL ICU	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DLB104 - IPW	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
YOUR CODE1 - YOUR LABEL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Add Row Clear All Rows Copy from Previous Month

Procedure-Associated Module [HELP](#)

Procedures	SSI	Post-procedure PNEU
CBGB/CBGC - Coronary artery bypass graft	IN - Inpatient	
HPRO - Hip prosthesis	IN - Inpatient	

Add Row Clear All Rows Copy from Previous Month

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Reporting Plan

- Add
- Find
- Patient
- Event
- Procedure
- Summary Data
- Import/Export
- Analysis
- Surveys
- Users
- Facility
- Group
- Log Out

Add SSI Procedures to your monthly reporting plan

NHSN 6.3.1.2 Monthly Reporting Plan - Windows Internet Explorer

https://sdn7.cdc.gov/nhsn/planaction.do

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FACWIDEIN - FacWideIN VRE - VRE

Process and Outcome Measures

Infection Surveillance	AST-Timing	AST-Eligible	Incidence	Prevalence	Lab ID Event All Specimens	Lab ID Event Blood Specimens Only	HH	GG
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

FACWIDEIN - FacWideIN CDIF - C. difficile

Process and Outcome Measures

Infection Surveillance	AST-Timing	AST-Eligible	Incidence	Prevalence	Lab ID Event All Specimens	Lab ID Event Blood Specimens Only	HH	GG
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Add Rows Clear All Rows Copy from Previous Month

Patient Influenza Vaccination Module [HELP](#)

Method A: ☐

Method B: ☐

Save Back

Don't forget to save your work!

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NHSN Operative Procedures

- Each NHSN operative procedure category consists of a group of ICD-9-CM codes

Example: Hip prosthesis or HPRO = ICD-9 codes:
00.70, 00.71, 00.72, 00.73, 00.85, 00.86, 00.87,
81.51, 81.52, 81.53

- When monitoring an NHSN operative procedure category, ALL listed ICD-9 codes within that category must be included



“Procedure” or Denominator Data

- Data for EACH surgical procedure included in your Reporting Plan must be entered each month as the denominator
 - Electronically via vendor-enabled Clinical Document Architecture (CDA) standards
 - Electronically via hospital-developed Comma Separated Variable (CSV) file format
 - Manually



Developing a CSV File to Import Procedure Data

1. Identify where (in what existing hospital systems or data bases) the required data fields reside
2. Work with hospital IT department, OR data system manager, medical records supervisor, and/or others
3. Determine how data elements might be made electronic if not already
4. Learn or seek assistance on how to develop the CSV file (or convert from an excel spreadsheet).

CSV files can be uploaded directly to NHSN





Importing Patient Safety Procedure Data

The NHSN will allow importation of procedure data in an ASCII comma delimited text file format. You can generate the import files from different external sources, such as databases or hospital information systems. The default import option allows the importation of procedures where the procedure date occurs in a month for which a Monthly Reporting Plan exists and the Plan specifies the procedure code in the import file record. If you wish to import records for procedures not in the Plan, you must specify which procedures to include.

Custom procedures can also be imported if they are first created on the custom options page.

Available on the NHSN website under Patient Safety Component "Related Material"



SSI Denominator Data

- For manual data entry, complete a Denominator Procedure form for each procedure
- Example: If monitoring HPRO, complete a Denominator for Procedure form for every patient who has a HPRO during the month

Note: Even if developing electronic files to import procedure data, completing forms for initial week(s) will allow you to learn the data elements required



Sources for Denominator Procedure Data

- Operating room record review
- Patient medical record
- OR logs
- ICD9-CM procedure codes
- Make friends with Medical Records if you haven't already!

Not a comprehensive list



SSI Denominator Data

- Some operative procedures have more than one incision
 - Example: CBGB in which an incision to harvest a donor vessel is made that is separate from the primary incision
- Record these procedures only one time
 - There is no separate procedure code for the donor harvest site.



* required for saving

Facility ID:	Procedure #:		
*Patient ID:	Social Security #:		
Secondary ID:			
Patient Name, Last:	First:	Middle:	
*Gender: F M	*Date of Birth:		
Ethnicity (specify):	Race (specify):		
Event Type: PROC	*NHSN Procedure Code:		
*Date of Procedure:	ICD-9-CM Procedure Code:		
Procedure Details			
*Outpatient: Yes No	*Duration: ____Hours ____Minutes		
*Wound Class: C CC CO D U	*General Anesthesia: Yes No		
*ASA Score: 1 2 3 4 5	*Emergency: Yes No		
*Trauma: Yes No	*Endoscope: Yes No		
Surgeon Code: _____			
*Implant: Yes No	*Non-autologous Transplant: Yes No		
CSEC:			
*Height: ____feet ____inches	*Weight: ____lbs / kg	*Duration of Labor: ____hours	
(choose one) ____meters	(circle one)	*Estimated Blood Loss: ____ml	
Circle one: FUSN RFUSN			
*Spinal Level: (check one)		*Diabetes Mellitus: Yes No	
<input type="checkbox"/> Atlas-axis <input type="checkbox"/> Atlas-axis/Cervical <input type="checkbox"/> Cervical <input type="checkbox"/> Cervical/Dorsal/Dorsolumbar <input type="checkbox"/> Dorsal/Dorsolumbar <input type="checkbox"/> Lumbar/Lumbosacral <input type="checkbox"/> Not specified		*Approach/Technique: (check one)	
		<input type="checkbox"/> Anterior <input type="checkbox"/> Posterior <input type="checkbox"/> Anterior and Posterior <input type="checkbox"/> Lateral transverse <input type="checkbox"/> Not specified	
*HPRO: (check one)	Total Primary	Partial Primary	Total Revision
*KPRO: (check one)	Primary (Total)	Revision (Total or Partial)	
Custom Fields			
Label		Label	
Comments			

Whether developing a CSV import file or entering procedure data manually, become familiar with the “Denominator Data for Events” fields

Duration

- Record the hours and minutes between the skin incision and skin closure
- Do not record anesthesia time
- If the patient goes to the OR more than once during the same admission and another procedure is performed through the same incision within 24 hours of the original incision, report the combined duration of operation for both procedures



Wound Classification

- Clean I (C)
Uninfected wound, no inflammation; respiratory, alimentary, genital, or uninfected urinary tracts not entered; primarily closed; closed drainage, if needed.
- Clean contaminated II (CC)
Respiratory, alimentary, genital, or urinary tracts entered under controlled conditions and without unusual contamination; include operations on biliary tract, appendix, vagina, oropharynx.



Wound Classification Continued

- Contaminated III (CO)
Open, fresh, accidental wounds; major breaks in sterile technique or gross spillage from GI tract; includes incisions into acute, nonpurulent inflamed tissue.
- Dirty / Infected IV (D)
Old traumatic wounds with retained devitalized tissue and those that involve existing clinical infection or perforated viscera.

ASA* Score

Used to proxy patient co-morbidities or underlying disease

- 1 = Normally healthy patient
- 2 = Patient with mild systemic disease
- 3 = Patient with severe systemic disease that is not incapacitating
- 4 = Patient with an incapacitating systemic disease that is a constant threat to life
- 5 = Moribund patient not expected to survive for 24 hours with or without operation



*American Society of Anesthesiologists



Endoscope – Yes/No

- If the entire operative procedure was performed using an endoscope/laparoscope, select “Yes”
- Otherwise select “No”
- Exception: For CBGB, if the donor vessel was harvested using a laparoscope, select “Yes”



Implant – Yes/No

- A nonhuman-derived implantable foreign body (e.g., prosthetic heart valve, hip prosthesis) permanently placed during an NHSN operative procedure and not routinely manipulated for diagnostic or therapeutic purposes
- Screws, wires, and mesh that are left in place ARE considered implants

Non-autologous Transplant – Yes/No

- Transplant: Human cells, tissues, organs, or cellular- or tissue-based products that are placed in a human recipient via grafting, infusion, or transfer

Examples include: heart valves, organs, ligaments, bone, blood vessels, skin, corneas, and bone marrow cells

- Autologous or “autograft” are products that originate from the patient’s own body
- **Non-autologous** or “allografts” are tissues or other products derived from another human body, either a donor cadaver or a live donor

Select “Yes” ONLY for Non-autologous transplants



More Fields Requiring Yes/No Response

- **Emergency**
“Yes” if non-elective, unscheduled operative procedure
- **Trauma**
“Yes” if operative procedure performed because of blunt or penetrating injury to patient
- **General anesthesia**
“Yes” for administration of drugs or gasses that enter the general circulation and affect the central nervous system to render the patient pain-free, amnesic, unconscious, and often paralyzed with relaxed muscles

Surgeon Code

- Optional field
- Select the hospital-assigned code of the surgeon who performed the principal operative procedure

Why monitor by surgeon?

Feedback of surgeon-specific data has been clearly demonstrated to lower SSI rates



Your worksheet is completed -
Now let's put the procedures into the computer



NHSN 6.3.1.2 NHSN Procedure - Windows Internet Explorer

https://sdn7.cdc.gov/nhsn/eventaction_proc.do?method=showpage&mode=add&clear=Y&subaction=procedure&navReset=true¤tmenu=menu_ps_

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Logged into California General Hospital (ID 15633) as VICKIKELLER.
Facility California General Hospital (ID 15633) is following the PS component.

Add Procedure

Mandatory fields marked with *
Fields required when in Plan marked with >

[Print PDF Form](#)

Patient Information HELP

Facility ID*: California General Hospital (ID 15633)
Patient ID*: Find Find Procedures for Patient
Social Security #:
Last Name:
Middle Name:
Gender*:
Ethnicity:
Race: ☐ American Indian/Alaska Native ☐ Asian
☐ Black or African American ☐ Native Hawaiian/Other Pacific Islander
☐ White

Procedure #: 4278465
Secondary ID:
First Name:
Date of Birth*:

Procedure Information HELP

NHSN Procedure Code*:

* Or you may wish to design a data collection form in a table format (Excel)

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NHSN 6.3.1.2 NHSN Procedure - Windows Internet Explorer

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Page Safety Tools

Procedure Information [HELP](#)

NHSN Procedure Code*: CRAN - Craniotomy

ICD-9-CM Code: *

Procedure Date*:   Link/Unlink to Event **Procedure is not Linked**

Procedure Details [HELP](#)

Outpatient*: N - No Duration (Hrs:Mins)>: 0 :

Wound Class>: General Anesthesia>:

ASA Class>:

Emergency>: Trauma>: Endoscope>:

Surgeon Code: *

Implant>: Non-autologous Transplant>:

Custom Fields [HELP](#)

Comments [HELP](#)

Will indicate "linked" if an infection has been entered for this patient ID

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Reporting SSI

- Perform surveillance to identify SSI
- Enter SSI Events into the NHSN system



Finding SSI – how?

- Follow NHSN protocols for surveillance
- Evaluate surgical patients during same admission
- Evaluate positive wound cultures
- Work with surgical services and surgical unit staff to develop process for alerting to possible SSI
- Monitor surgical patients for re-admission
- Perform post-discharge surveillance



Examples of SSI Data Sources

- Microbiology reports
- Re-admission of surgical patients
- Infection control rounds on nursing units
- Pharmacy reports for antimicrobial use
- Temperature chart/log
- Operating room report of surgeries
- Post-discharge SSI surveillance methods



Examples of SSI Post-discharge Sources

- Readmissions to **other** hospitals
- Emergency department or clinic records
- Health care system/HMO may have laboratory and pharmacy records for antimicrobial agents
- Surgeon surveys – phone, mail or FAX
- Patient surveys – less reliable



Superficial Incisional SSI

Surveillance Definition

- ☐ Infection occurs within 30 days after surgical procedure
- AND**
- ☐ Involve only skin and subcutaneous tissue of the incision
- AND**

Patient has at least **1**:

- ☐ Purulent drainage from incision
- ☐ Organism isolated from incision culture or fluid (obtained aseptically)
- ☐ Pain or tenderness
- ☐ Localized swelling, redness, or heat
- ☐ Incision opened by surgeon and found to be culture positive or was not cultured
- ☐ Diagnosis of superficial SSI by surgeon or attending physician

Deep Incisional SSI

Surveillance Definition

☐ Infection occurs within 30 days after surgical procedure if no implant or within 1 year if implant

AND

☐ Involves deep soft tissues of the incision, e.g. fascial & muscle layers

AND

Patient has at least **1**:

☐ Purulent drainage from deep incision but not from the organ/space of the surgical site

☐ Deep incision spontaneously dehisces or opened by surgeon **AND** is culture positive or not cultured **AND** fever $>38^{\circ}\text{C}$, localized pain, or tenderness

☐ Abscess or evidence of deep infection found on direct exam, during reoperation, by histopathologic or radiologic exam

☐ Diagnosis of deep SSI by surgeon or attending physician

Primary vs. Secondary Incisional SSI

- Primary Incisional

A superficial incisional SSI (**SIP**) or deep incisional SSI (**DIP**) identified in the primary incision site for procedures with one incision or more than one incision

Examples: C-section incision (only 1 incision);

Chest incision for CAGB (incision in chest, 2nd in leg)

- Secondary Incisional

A superficial incisional SSI (**SIS**) or deep incisional SSI (**DIS**) identified in the secondary incision site for procedures with one incision or more than 1 incision

Example: leg donor site incision for CBGB

Organ Space SSI

Surveillance Definition

☐ Infection occurs within 30 after surgical procedure if no implant or within 1 year if implant

AND

☐ Involves any part of body that is opened or manipulated during the surgical procedure; excludes skin, fascia, or muscle layers, and subcutaneous tissue of the incision

AND

Patient has at least **1**:

☐ Purulent drainage from drain placed through stab wound into organ/space

☐ Organism isolated from incision culture or fluid (obtained aseptically)

☐ Abscess or evidence of organ/space infection found on direct exam, during reoperation, by histopathologic or radiologic exam

Classifying Organ/Space SSI

- When SSI occurs in an organ or organ space related to the procedure, specific infection sites are assigned to further identify the location of the infection
- Examples
 - Hip Prosthesis (HPRO) with subsequent osteomyelitis would be reported as SSI-BONE
 - CBGB with mediastinitis would be reported as (SSI-MED)



SSI Numerator Data

- Use Surgical Site Infection (SSI) form for each SSI identified during the month
- Indicate the specific site of the SSI
 - SIP
 - DIP
 - SIS
 - DIS
 - Organ/Space (-select site)

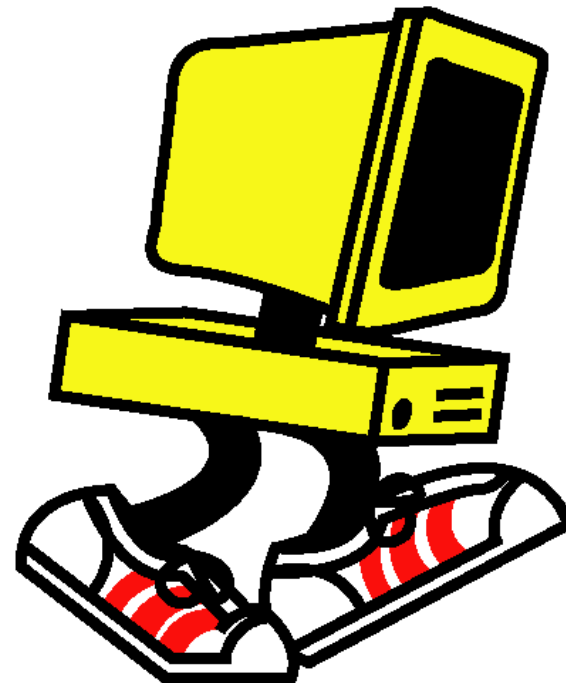


Pathogen Data

- List up to 3 pathogens for each SSI identified (in rank order of importance)
- For each pathogen, complete information about antimicrobial susceptibilities
- Only certain bug/drug combinations are required, but up to 20 drugs can be listed with susceptibilities



You've finished the work sheet -
Now let's go to the computer to
enter the SSI!



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Logged into California General Hospital (ID 15633) as VICKIKELLER.
Facility California General Hospital (ID 15633) is following the PS component.

Add Event

Mandatory fields marked with *

Fields required for record completion marked with **

Fields required when in Plan marked with >

[Print PDF Form](#)

Patient Information HELP

Facility ID*: California General Hospital (ID 15633) ▼

Event #: 4278369

Patient ID*: Find Find Events for Patient

Social Security #:


Secondary ID:

Last Name:

First Name:

Middle Name:

Gender*: ▼


Date of Birth*: 

Ethnicity: ▼

Race: ☐ American Indian/Alaska Native ☐ Asian
☐ Black or African American ☐ Native Hawaiian/Other Pacific Islander
☐ White

Event Information HELP

Event Type*: SSI - Surgical Site Infection ▼

Date of Event*: 

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2/16/2011

Example: Hip prosthesis

Event Information

Event Type*: SSI - Surgical Site Infection Date of Event*:

NHSN Procedure Code*: HPRO - Hip prosthesis

ICD-9-CM Code*: Outpatient Procedure*:

Procedure Date*: **Event is not Linked**

MDRO Infection Surveillance*:

Location:

Date Admitted to Facility*:

By selecting the NHSN procedure code, the drop down menu becomes customized to the SSI being reported

Event Details

Specific Event*: BONE - Osteomyelitis

Specify Criteria Used*

Signs & Symptoms

☐ Purulent drainage or

☐ Pain or tenderness

☐ Localized swelling

☐ Redness

☐ DIP - Deep Incisional Primary

☐ JNT - Joint or bursa

☐ SIP - Superficial Incisional Primary

Laboratory

☐ Positive culture

☐ Positive Gram stain when culture is negative or not done

☐ Not cultured

Example
: CABG

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https://sdn7.cdc.gov/nhsn/eventaction.do

Event Information

Event Type*: SSI - Surgical Site Infection Date of Event*:

NHSN Procedure Code: CBGB - Coronary bypass w/ chest & donor incisions

ICD-9-CM Code: Outpatient Procedure*:

Procedure Date*: Link/Unlink to Procedure **Event is not Linked**

MDRO Infection Surveillance*:

Location:

Date Admitted to Facility*:

Risk Factors

Event Details

Specific Event*:

Detected*:

Secondary Bloodstream Infection*:

Died*:

Discharge Date:

Pathogens Identified*:

BONE - Osteomyelitis
CARD - Myocarditis or pericarditis
DIP - Deep Incisional Primary
DIS - Deep Incisional Secondary
ENDO - Endocarditis
LUNG - Other infections of the lower respiratory tract
MED - Mediastinitis
SIP - Superficial Incisional Primary
SIS - Superficial Incisional Secondary
VASC - Arterial or venous infection

Done

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NHSN 6.3.1.2 NHSN Event

Event Information [HELP](#)

Event Type*: SSI - Surgical Site Infection Date of Event*:

NHSN Procedure Code*: HPRO - Hip prosthesis

ICD-9-CM Code: Outpatient Procedure*:

Procedure Date*: *Event is not Linked*

MDRO Infection Surveillance*:

Location:

Date Admitted to Facility*:

Risk Factors

Event Details [HELP](#)

Specific Event*: BONE - Osteomyelitis

Specify Criteria Used*

Signs & Symptoms

☐ Purulent drainage or JNT - Joint or bursa

☐ Pain or tenderness SIP - Superficial Incisional Primary

☐ Localized swelling

☐ Redness

Laboratory

☐ Positive culture

☐ Positive Gram stain when culture is negative or not done

☐ Not cultured

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Always click on "link to procedure" to link the SSI Event to the Procedure record already entered.

You should get a prompt for this.

Gender*: Date of Birth*: Ethnicity:

Race: ☐ American Indian/Alaska Native ☐ Asian
☐ Black or African American ☐ Native Hawaiian/Other Pacific Islander
☐ White

Event Information [HELP](#)Event Type*: SSI - Surgical Site Infection Date of Event*: NHSN Procedure Code*: CBGB - Coronary bypass w/ chest & donor incisions ICD-9-CM Code: Outpatient Procedure*: Procedure Date*: Event is not LinkedMDRO Infection Surveillance*: No, this event pathogen/location is not in-plan for MDRO/CDAD Module Location: Yes, this event pathogen/location is in-plan for MDRO/CDAD Module Date Admitted to Facility>:

Risk Factors

Event Details [HELP](#)Specific Event>:

This box will always be "no".
We report LabID Events.
We do NOT perform Infection Surveillance

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NHSN 6.3.1.2 NHSN Event Page Safety Tools

Risk Factors

Event Details HELP

Specific Event: MED - Mediastinitis

Specify Criteria Used* (check all that apply)

Signs & Symptoms

- ☐ Purulent drainage or material
- ☐ Pain or tenderness
- ☐ Localized swelling
- ☐ Redness
- ☐ Heat
- ☐ Fever
- ☐ Incision deliberately opened by surgeon
- ☐ Wound spontaneously dehisces
- ☐ Abscess
- ☐ Hypothermia
- ☐ Apnea
- ☐ Bradycardia
- ☐ Lethargy
- ☐ Cough
- ☐ Nausea
- ☐ Vomiting
- ☐ Dysuria
- ☐ Other evidence of infection found on direct exam, during surgery, or by diagnostic tests

Laboratory

- ☐ Positive culture
- ☐ Positive Gram stain when culture is negative or not done
- ☐ Not cultured
- ☐ Positive blood culture
- ☐ Blood culture not done or no organisms detected in blood
- ☐ Other positive laboratory tests
- ☐ Radiographic evidence of infection

Clinical Diagnosis

- ☐ Physician diagnosis of this event type
- ☐ Physician institutes appropriate antimicrobial therapy

Specific to the CBGB

Check appropriate boxes

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NHSN 6.3.1.2 NHSN Event

Specific Event>: MED - Mediastinitis

Specify Criteria Used* (check all that apply)

Signs & Symptoms

- ☒ Purulent drainage or material
- ☒ Pain or tenderness
- ☐ Localized swelling
- ☐ Redness
- ☐ Heat
- ☒ Fever
- ☐ Incision deliberately opened by surgeon
- ☐ Wound spontaneously dehisces
- ☐ Abscess
- ☐ Hypothermia
- ☐ Apnea
- ☐ Bradycardia
- ☐ Lethargy
- ☐ Cough
- ☐ Nausea
- ☐ Vomiting
- ☐ Dysuria
- ☐ Other evidence of infection found on direct exam, during surgery, or by diagnostic tests
- ☐ Other signs & symptoms

Laboratory

- ☒ Positive culture
- ☐ Positive Gram stain when culture is negative or not done
- ☐ Not cultured
- ☐ Positive blood culture
- ☐ Blood
- ☐ Other
- ☐ Radio

Clinical D

- ☐ Physi
- ☐ Physi

Detected>: Secondary

A - Admission
P - Postdischarge surveillance
R - Readmission


"Detected" clarification:

A-Admission = SSI occurs during the same hospitalization (admission) as the surgery

P-Postdischarge surveillance = SSI identified post-discharge
Note: includes notification by other facilities to inform of SSI in patients who had surgery at your hospital

R-Readmission = SSI identified when post-surgical patient is re-admitted to your hospital

Completed SSI Data Entry Screen

Discharge Date: 

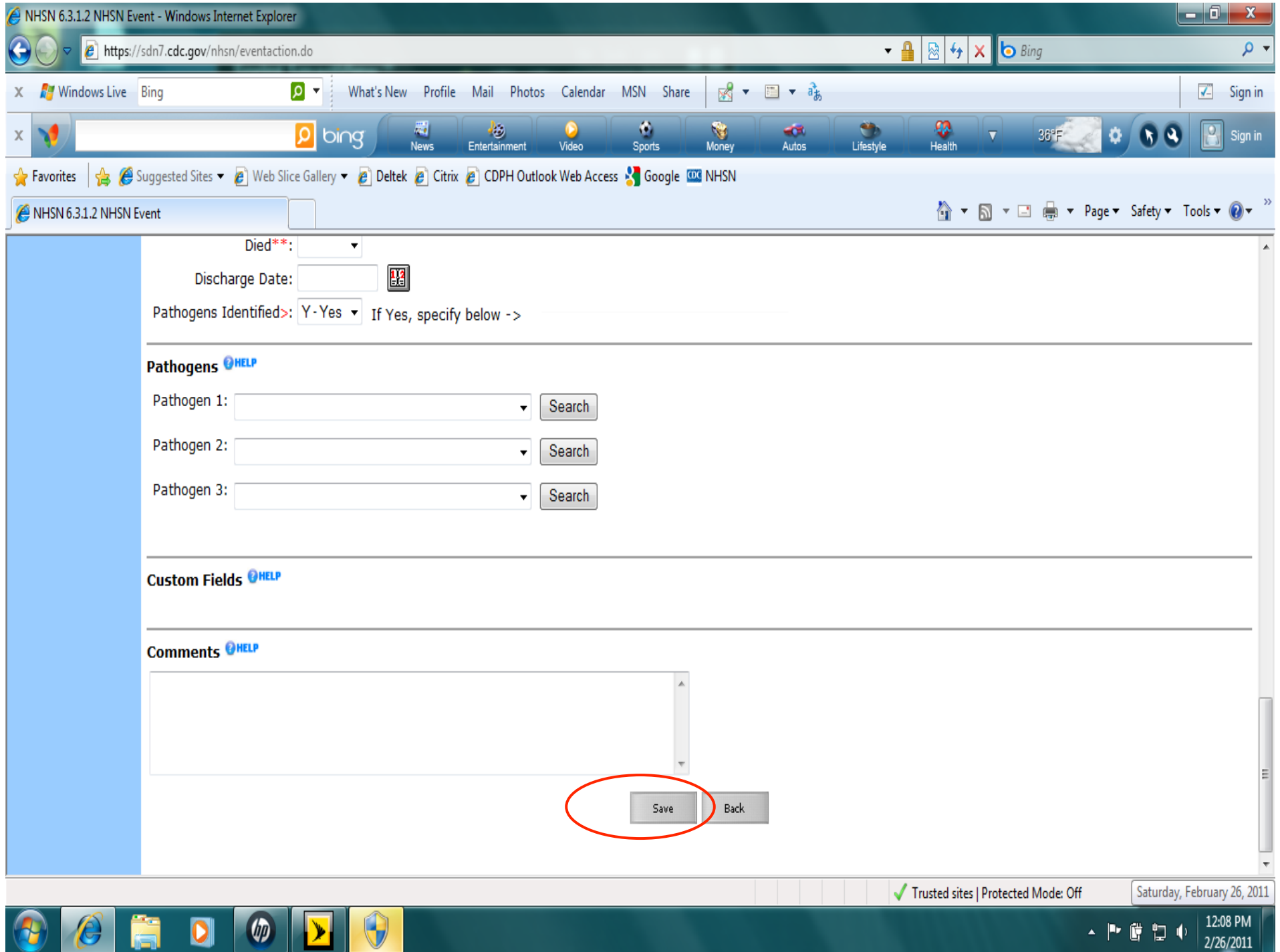
Pathogens Identified*: If Yes, specify below ->

Pathogens

Pathogen 1: * 10 drugs required

Drug	Result
<input type="text" value="OX - Oxacillin"/>	<input type="text" value="R - Resistant"/>
<input type="text" value="DAPTO - Daptomycin"/>	<input type="text" value="N - Not Tested"/>
<input type="text" value="CLIND - Clindamycin"/>	<input type="text" value="R - Resistant"/>
<input type="text" value="GENT - Gentamicin"/>	<input type="text" value="R - Resistant"/>
<input type="text" value="ERYTH - Erythromycin"/>	<input type="text" value="R - Resistant"/>
<input type="text" value="LNZ - Linezolid"/>	<input type="text" value="N - Not Tested"/>
<input type="text" value="QUIDAL - Quinupristin/dalfopristin"/>	<input type="text" value="N - Not Tested"/>
<input type="text" value="RIF - Rifampin"/>	<input type="text" value="S - Susceptible"/>
<input type="text" value="TMZ - Trimethoprim/sulfamethoxazole"/>	<input type="text" value="S - Susceptible"/>
<input type="text" value="VANC - Vancomycin"/>	<input type="text" value="S - Susceptible"/>

Pathogen 2:



Completed SSI Data Entry Screen

Event ☒ Event 2487143 saved successfully.

☐ Add
☐ Find
☐ Incomplete

Procedure
Summary Data
Import/Export
Analysis
Surveys
Users
Facility
Group
Log Out

Mandatory fields marked with *
Fields required for record completion marked with **
Fields required when in Plan marked with >

[Print P](#)

Patient Information [HELP](#)

Facility ID*: DHQP Memorial Hospital (10000)	Event #: 2487143
Patient ID*: 36912	
Social Security #:	Secondary ID:
Last Name: Green	First Name: Kelly
Middle Name:	
Gender*: M - Male	Date of Birth*: 03/11/1962
Ethnicity: NOHISP - Not Hispanic or Not Latino	
Race: American Indian/Alaska Native	Asian
<input checked="" type="checkbox"/> Black or African American	Native Hawaiian/Other Pacific Islander
White	

Event Information [HELP](#)

Event Type*: SSI - Surgical Site Infection	Date of Event*: 10/25/2009
NHSN Procedure Code*: COLO - Colon surgery	
ICD-9-CM Code:	Outpatient*: N - No
Procedure Date*: 10/12/2009	Event Linked

Questions?



HAI Liaison Program

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